

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0826
CALIBRATION DATE: 05-Dec-16

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192106

COEFFICIENTS:

PA0 = 9.774217e+000
PA1 = 6.010140e-002
PA2 = 2.044210e-008

PTCA1 = 2.724369e+000
PTCA2 = 3.637622e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.64	161.6	23.0	14.56	-0.00	32.50	232.10
314.88	5138.1	23.0	314.18	-0.05	29.00	214.93
614.94	10101.2	23.0	614.00	-0.06	24.00	191.83
914.81	15052.4	23.0	914.10	-0.05	18.50	168.49
1214.85	19990.8	23.0	1214.43	-0.03	15.00	152.03
1514.81	24913.3	23.0	1514.78	-0.00	4.50	121.73
1214.79	20004.1	23.0	1215.24	0.03	1.00	105.69
914.76	15075.4	23.0	915.50	0.05		
614.76	10128.7	23.0	615.66	0.06		
314.77	5158.9	23.0	315.44	0.04		
14.64	164.5	23.0	14.74	0.01		

t = temperature (°C)

n = instrument output - (PTCA1 * t + PTCA2 * t²)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range

Date, Offset (%FSR)

● 05-Dec-16 -0.00

